

CLAIMS

- 1 1. A method for selecting one of several receivers, (E1, E2) of a diversity receiving
2 system, characterized in that the levels of the control signals (AGC1, AGC2) of the automatic
3 gain control of the receivers (E1, E2) are compared with one another, and that receiver is
4 selected whose control signal has the lowest level.
- 1 2. The method of Claim 1 characterized in that a switchover to another receiver occurs
2 only if the level of its control signal lies below the level of the other control signal by a
3 specifiable minimum.
- 1 3. The method of Claims 1 or 2, characterized in that a mobile diversity receiving system
2 is involved.
- 1 4. The method of Claims 1, 2, or 3 characterized in that the receivers are audio and/or
2 video receivers.
- 1 5. The method of one of the preceding Claims, characterized in that, if the reception
2 signals are transmitted in blocks, switchover from one receiver to another occurs between two
3 blocks.
- 1 6. The method of Claim 5, characterized in that, in a diversity receiving system with video

2 receivers, switchover from one video receiver to another one occurs with line or picture
3 synchronization.

1 7. A circuit arrangement for implementing the method of one of the preceding claims,
2 characterized in that the outputs of several receivers (E1, E2) for the control signal (AGC1,
3 AGC2) of the automatic gain control are connected to the inputs of a comparator (VL), whose
4 output is connected to the control input of a controllable changeover switch (U), and that the
5 signal outputs of the receivers (E1, E2) are connected to the inputs of the controllable
6 changeover switch (U), at whose output is present the output signal (S) of the selected receiver.

7 8. A circuit arrangement to implement the method of one of the preceding claims,
8 characterized in that the outputs of several receivers (E1, E2) for the control signal (AGC1,
9 AGC2) of the automatic gain control are connected to the inputs of a comparator (VL), whose
1 output is connected to the first control input of a block synchronizer (BS), and that the control
2 output of the block synchronizer (BS) is connected to the control input of a controllable
3 changeover switch (U), and that the signal outputs of the receivers (E1, E2) are connected to
4 the inputs of the controllable changeover switch (U), whose output is connected to the second
5 control input of the block synchronizer (BS), and that the output signal (S) of the selected
6 receiver can be tapped from the output of the controllable changeover switch (U).

1 9. The circuit arrangement of Claim 8, characterized in that the receivers (E1, E2) are
2 television receivers and that the block synchronizer (BS) controls the line or picture

3 synchronization.

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